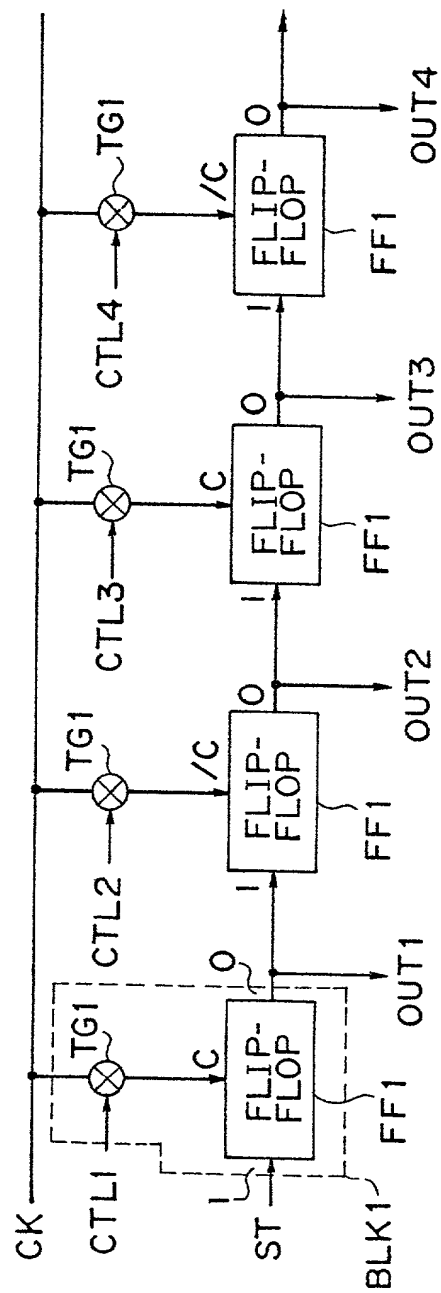



**Fig. 1**



**Fig. 2A** ST 

**Fig. 2B** CK 

**Fig. 2C** CTL1 

**Fig. 2D** OUT1 

**Fig. 2E** CTL2 

**Fig. 2F** OUT2 

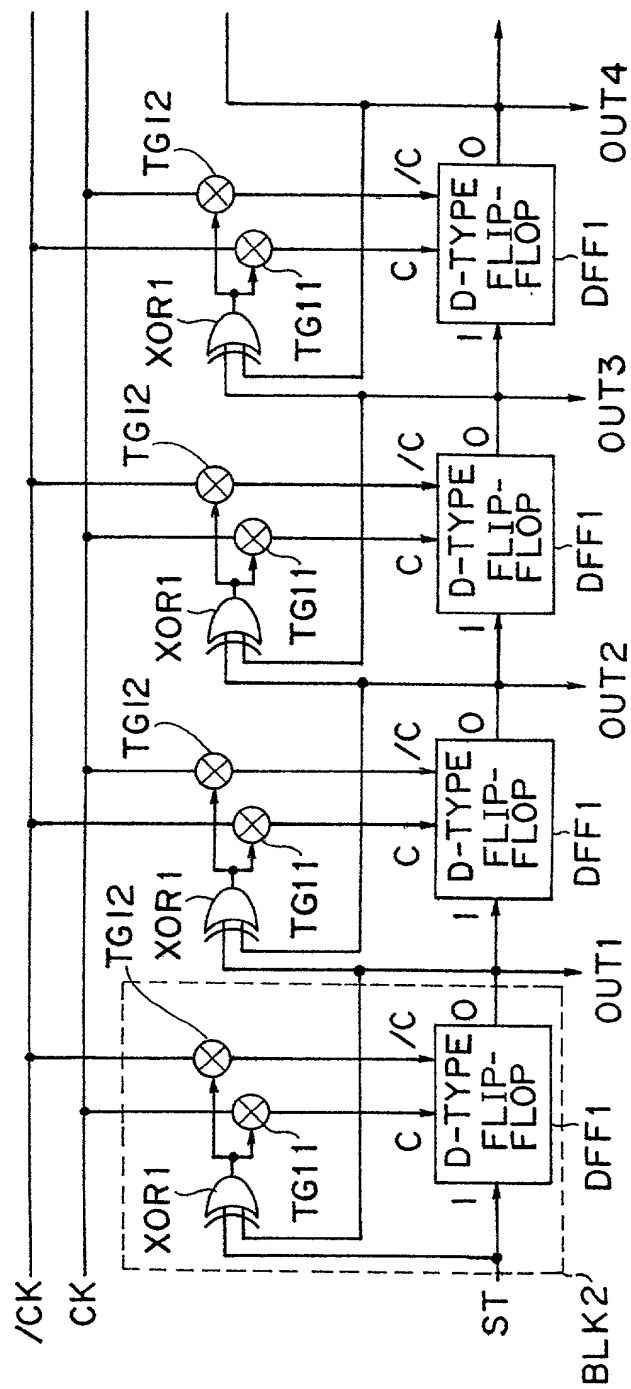
**Fig. 2G** CTL3 

**Fig. 2H** OUT3 

**Fig. 2I** CTL4 

**Fig. 2J** OUT4 

Fig.3






**Fig.5A** ST 

**Fig.5B** CK 

**Fig.5C** /CK 

**Fig.5D** XOR1 


**Fig.5E** C1 

**Fig.5F** /C1 

**Fig.5G** OUT1 

**Fig.5H** XOR2 

**Fig.5I** C2 

**Fig.5J** /C2 


**Fig.5K** OUT2 

Fig. 6

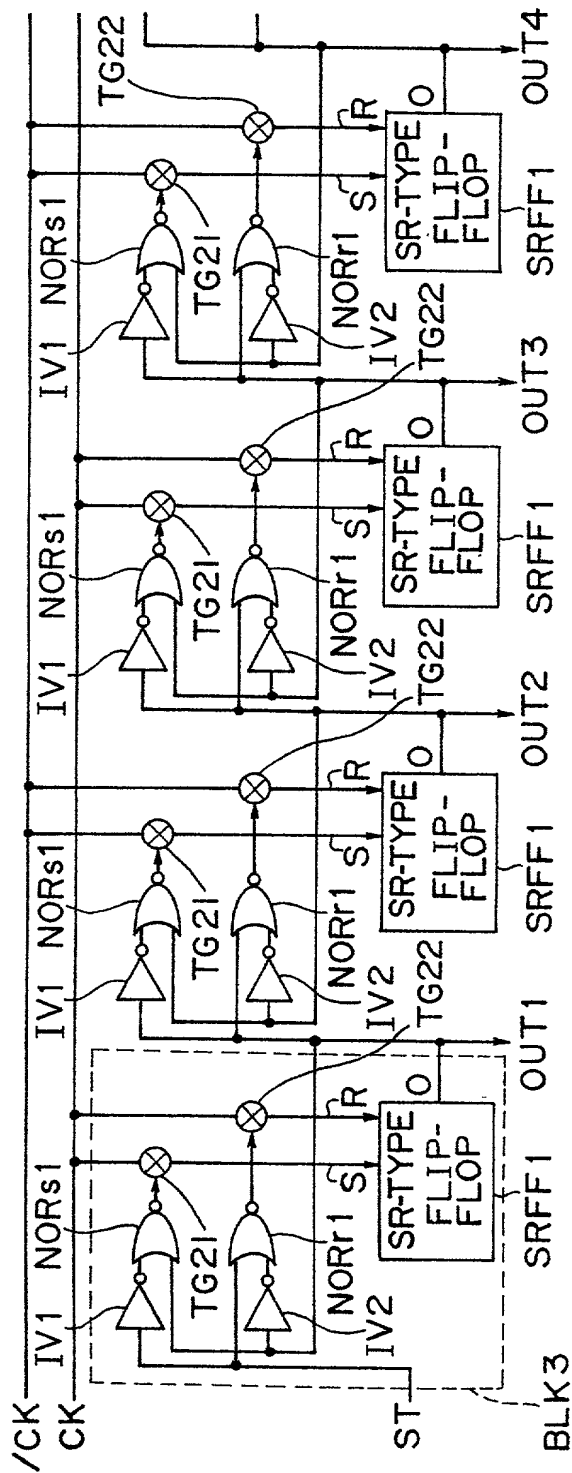
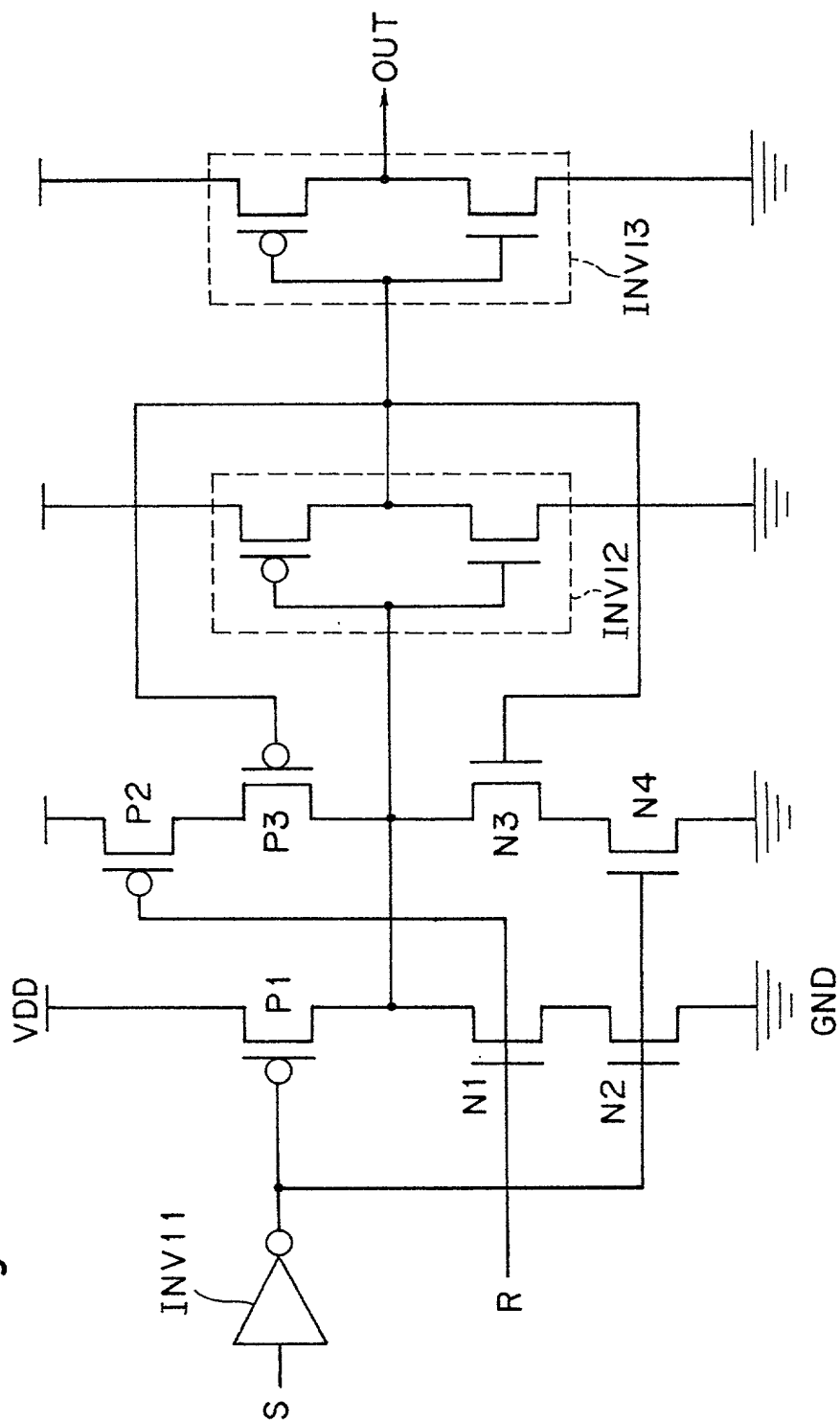


Fig. 7



**Fig. 8A**



**Fig. 8B**



**Fig. 8C**



**Fig. 8D**



**Fig. 8E**



**Fig. 8F**



**Fig. 8G**



**Fig. 8H**



**Fig. 8I**



**Fig. 8J**



**Fig. 8K**



**Fig. 8L**



**Fig. 8M**

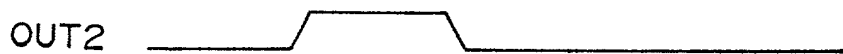




Fig. 9

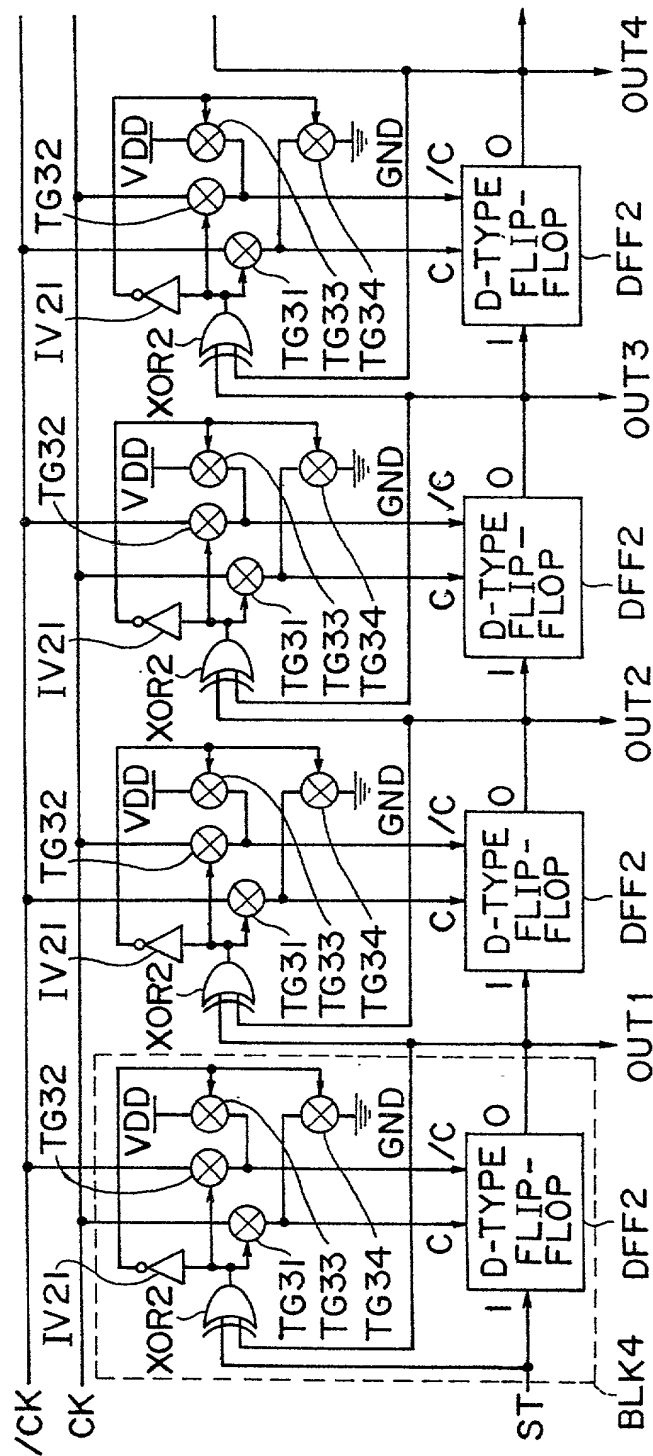


Fig. 10

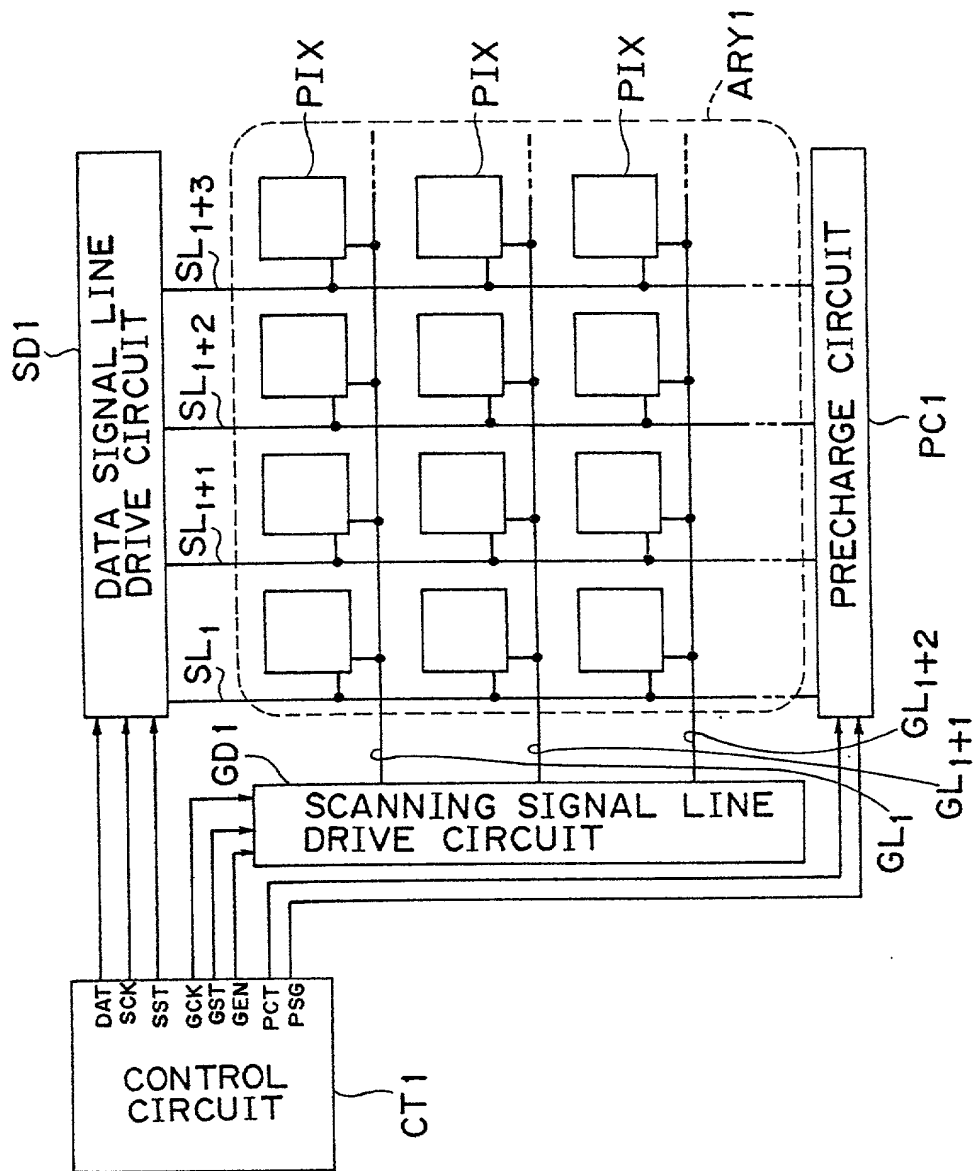


Fig. 11

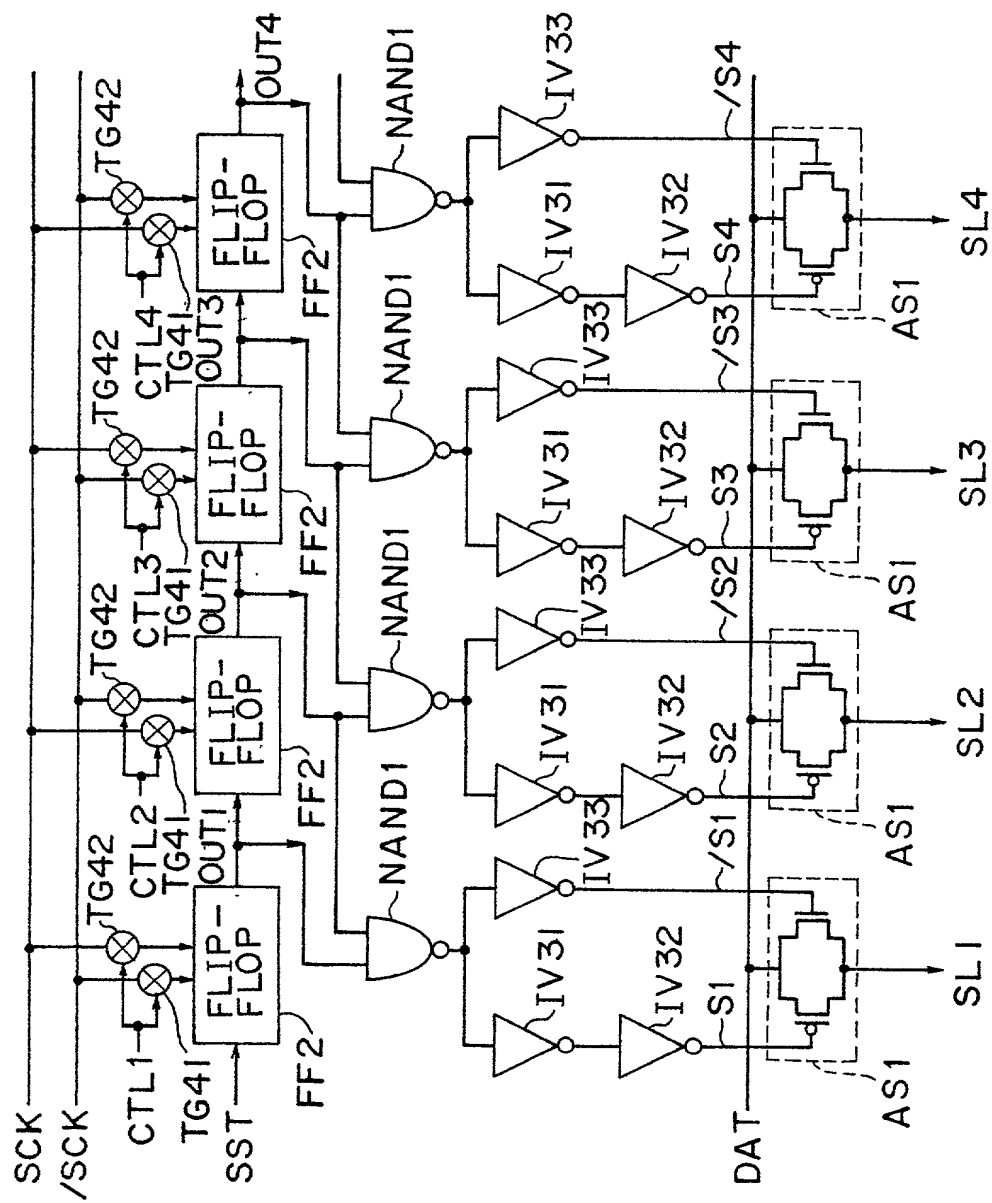
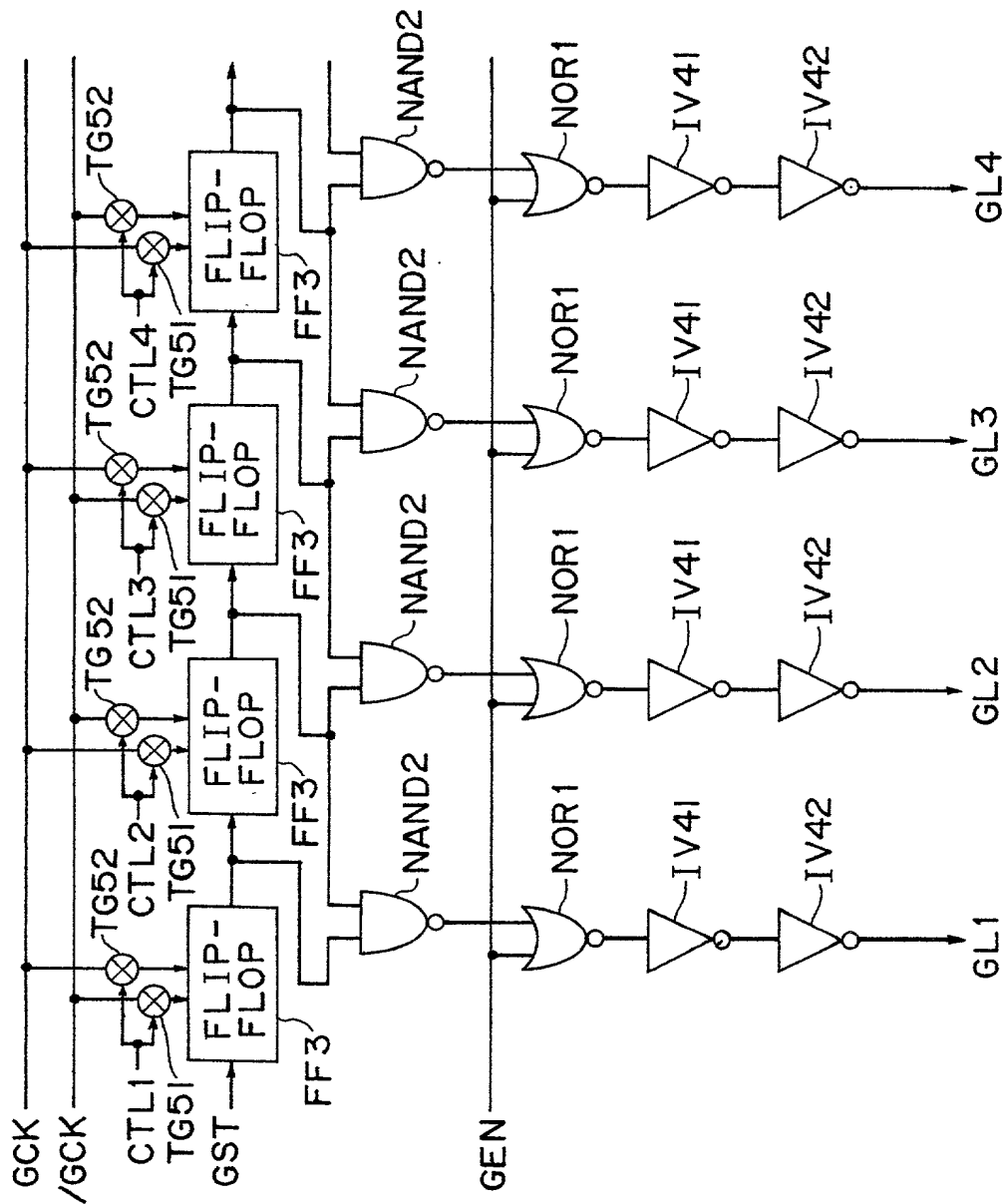


Fig. 12



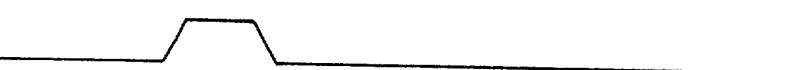
**Fig. 13A** SST 

**Fig. 13B** SCK 

**Fig. 13C** CTL1 

**Fig. 13D** OUT1 

**Fig. 13E** CTL2 

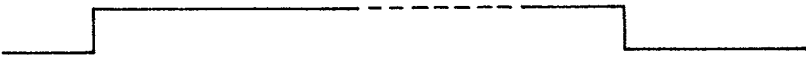
**Fig. 13F** OUT2 

**Fig. 13G** CTL3 


**Fig. 13H** OUT3 

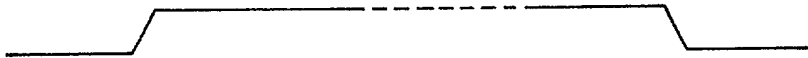
**Fig. 13I** CTL4 

**Fig. 13J** OUT4 


**Fig.14A** SST 

**Fig.14B** SCK 

**Fig.14C** CTL1 

**Fig.14D** OUT1 

**Fig.14E** CTL2 

**Fig.14F** OUT2 

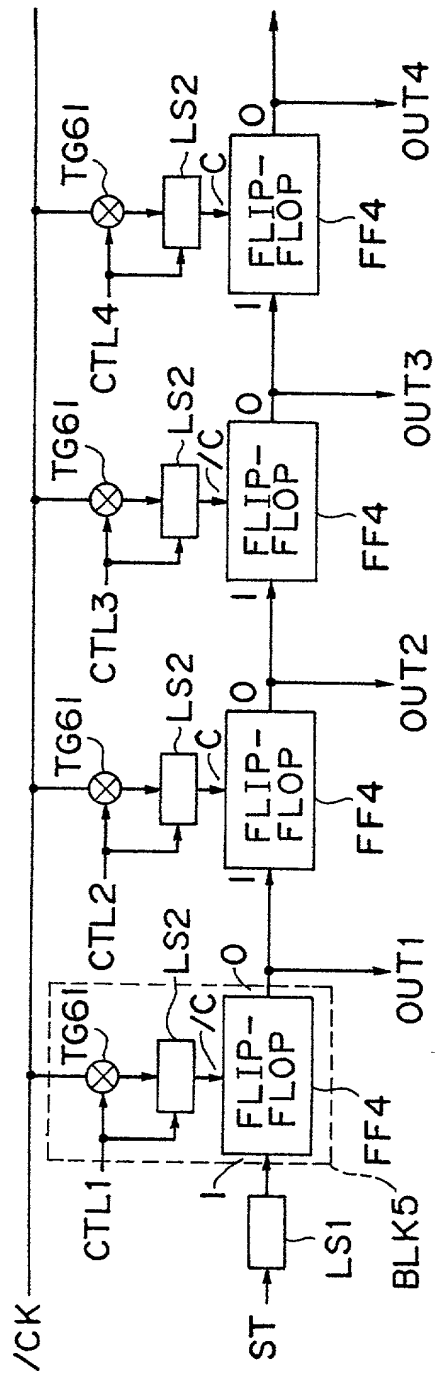
**Fig.14G** CTL3 

**Fig.14H** OUT3 

**Fig.14I** CTL4 

**Fig.14J** OUT4 

Fig. 15



**Fig.16A**



**Fig.16B**



**Fig.16C**



**Fig.16D**



**Fig.16E**



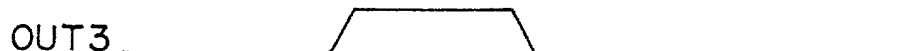
**Fig.16F**



**Fig.16G**



**Fig.16H**



**Fig.16I**



**Fig.16J**

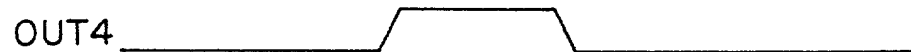
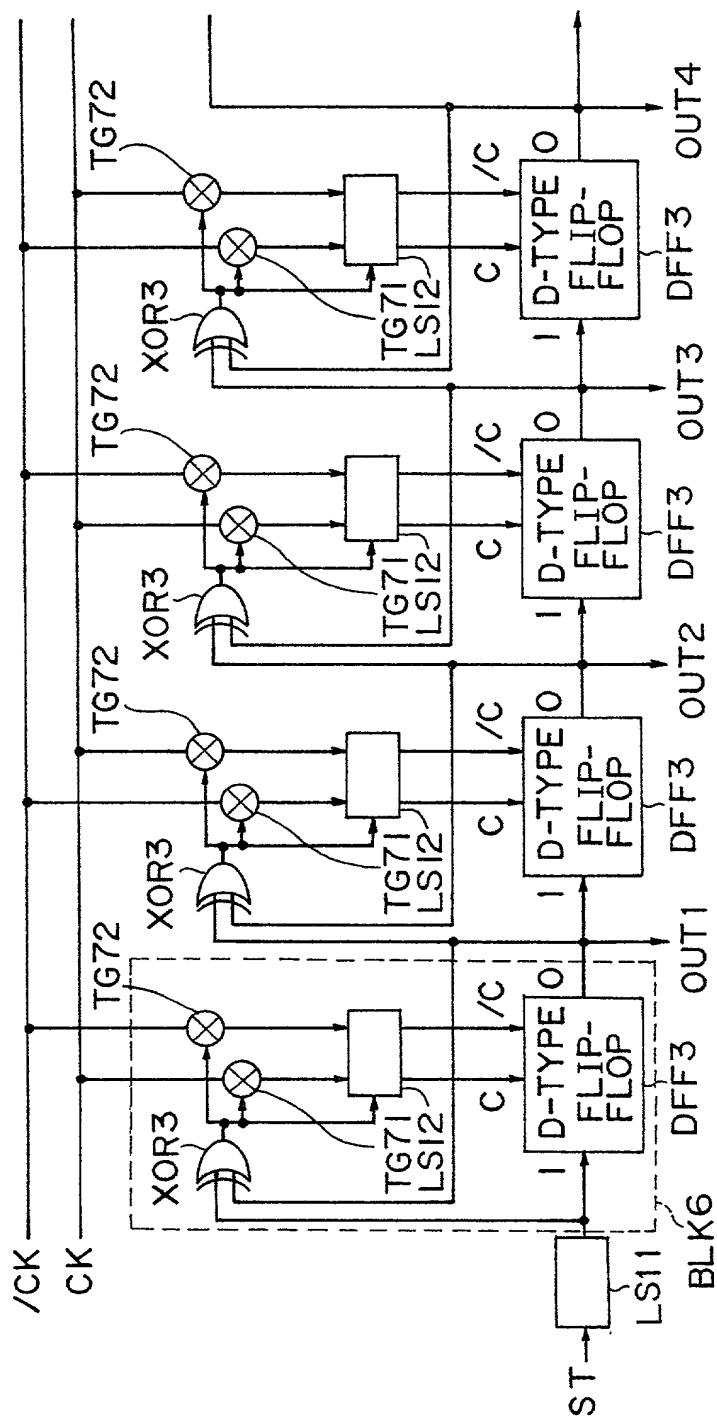






Fig.17



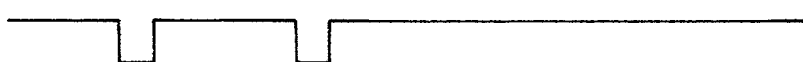
**Fig.18A** ST 

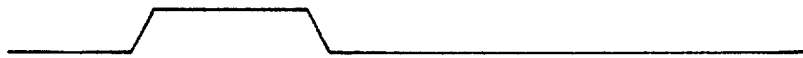
**Fig.18B** CK 

**Fig.18C** /CK 

**Fig.18D** XOR1 

**Fig.18E** C1 

**Fig.18F** /C1 

**Fig.18G** OUT1 

**Fig.18H** XOR2 

**Fig.18I** C2 

**Fig.18J** /C2 

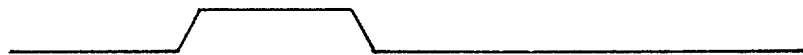
**Fig.18K** OUT2 

Fig. 19

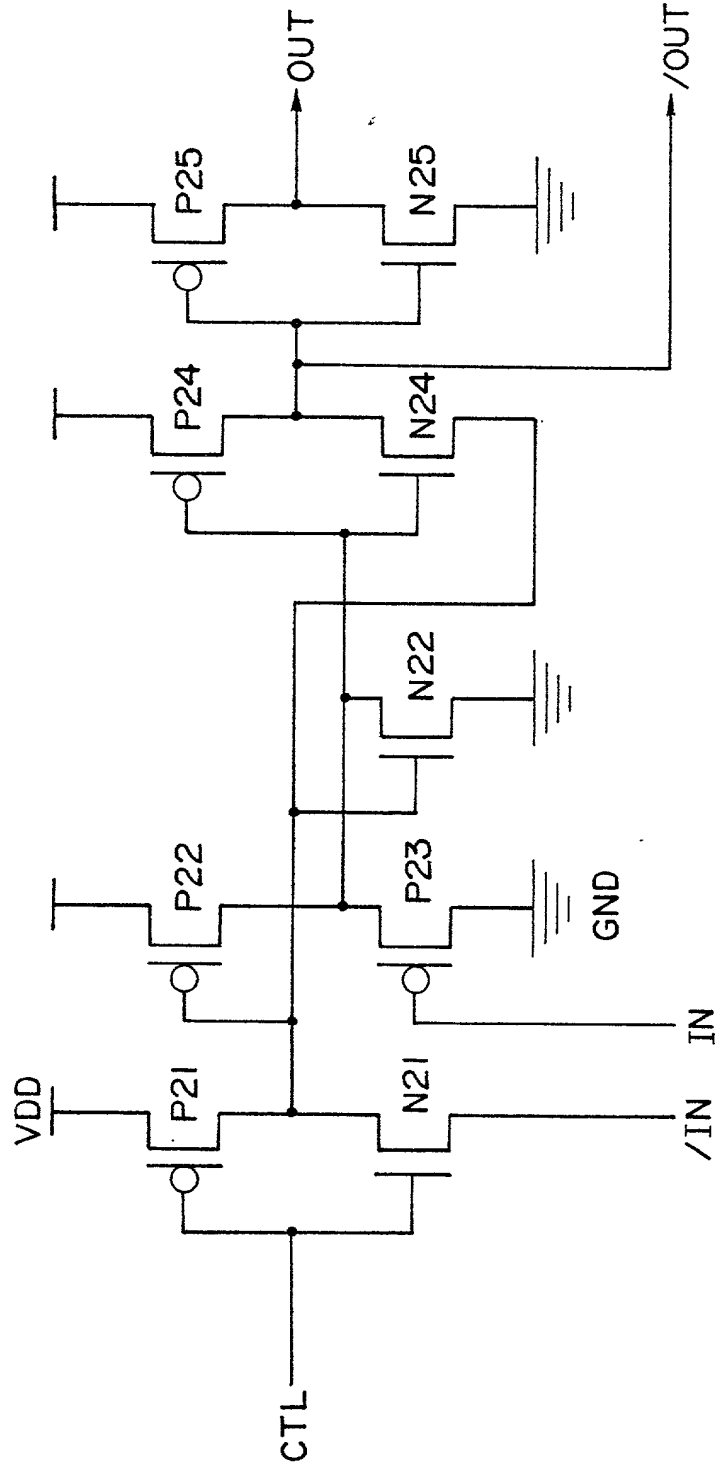
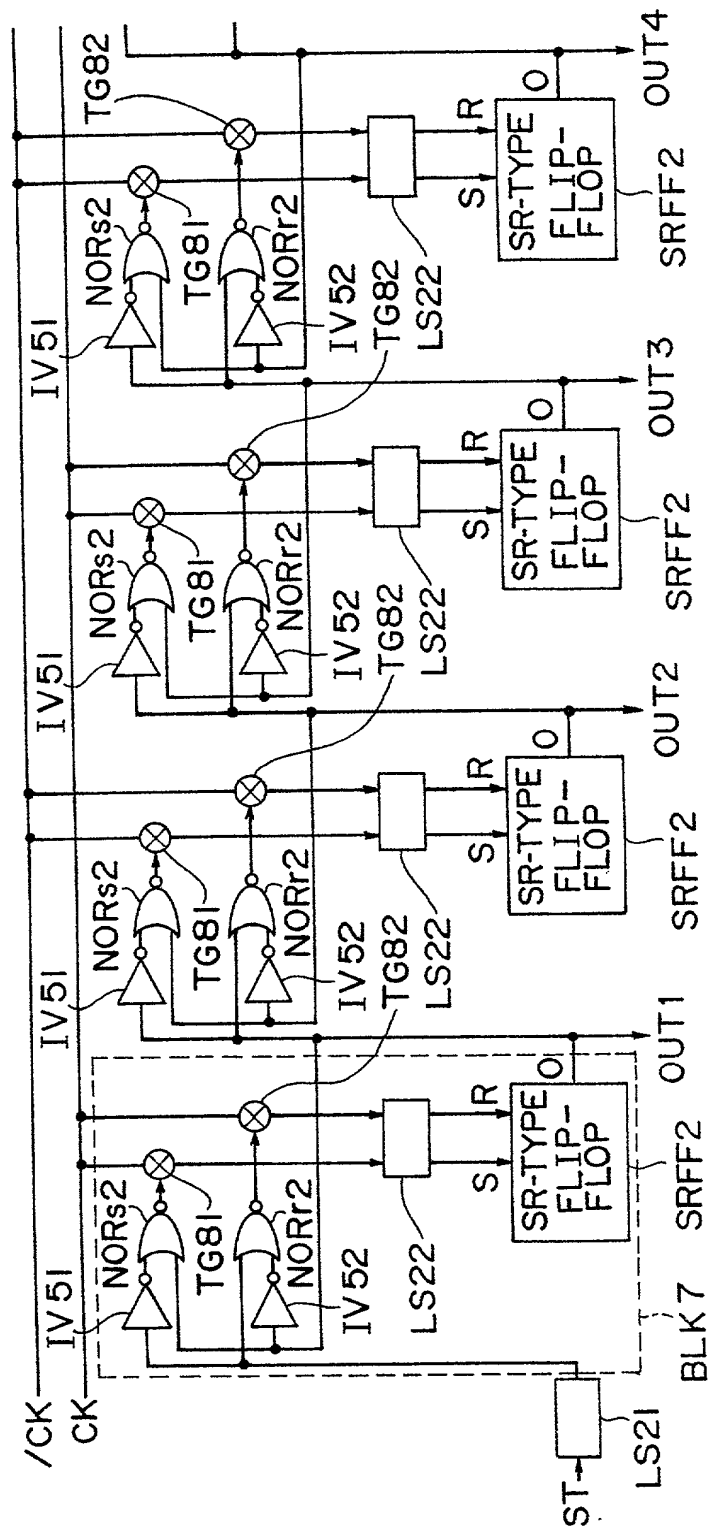




Fig. 21



**Fig. 22 A** ST 

**Fig. 22 B** CK 

**Fig. 22 C** /CK 

**Fig. 22 D** NORs1 

**Fig. 22 E** NORr1 

**Fig. 22 F** S1 

**Fig. 22 G** R1 

**Fig. 22 H** OUT1 

**Fig. 22 I** NORs2 

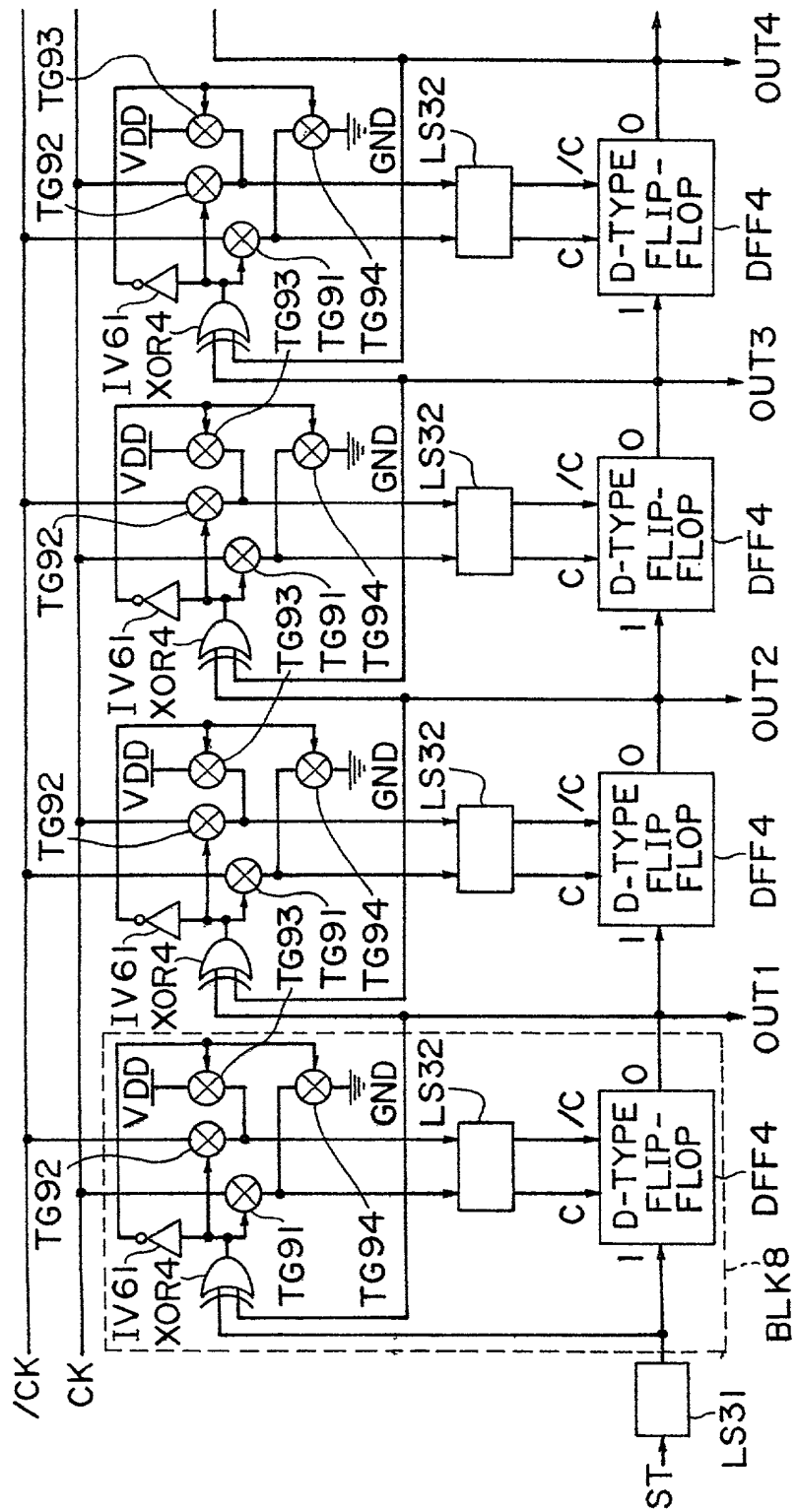
**Fig. 22 J** NORr2 

**Fig. 22 K** S2 

**Fig. 22 L** R2 

**Fig. 22 M** OUT2 

Fig. 23



**Fig. 24**

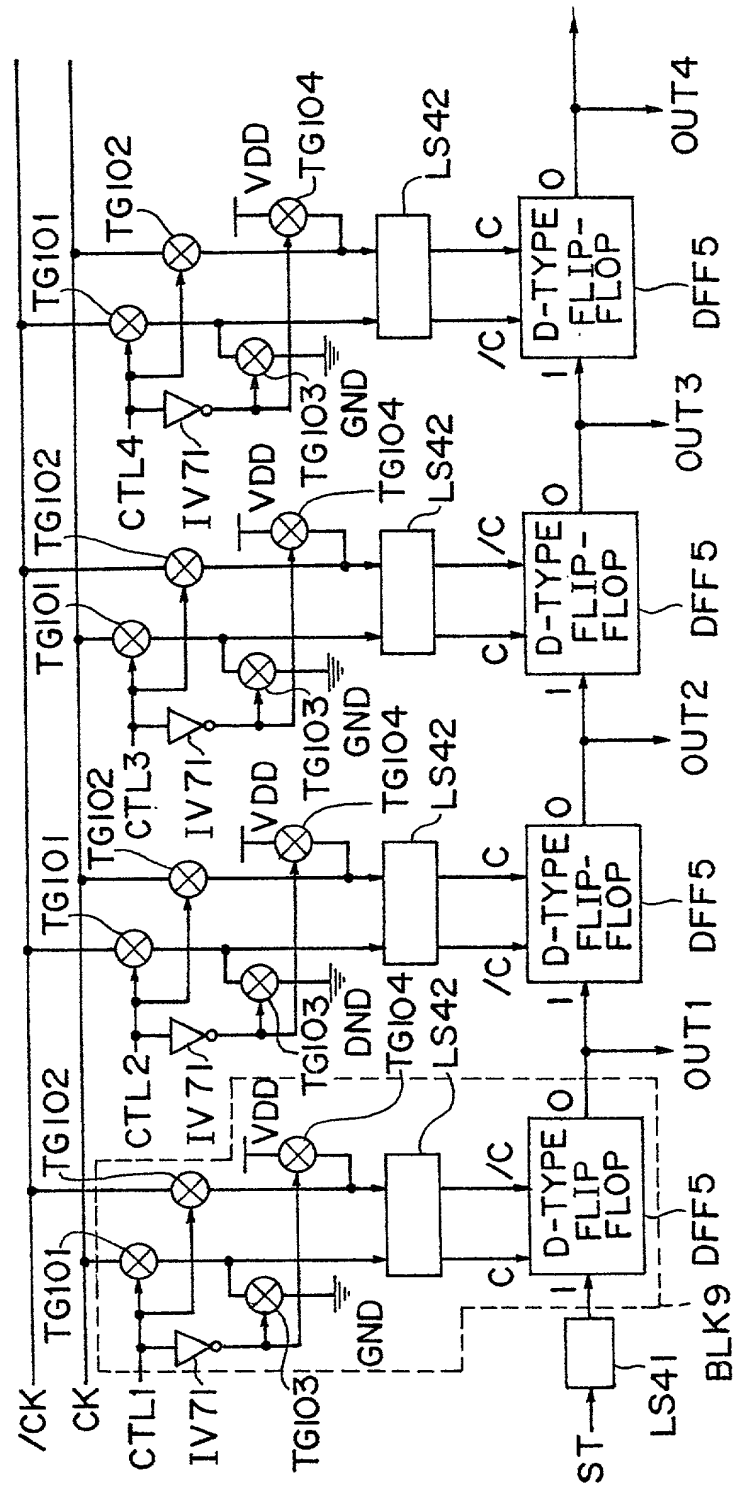




Fig. 25

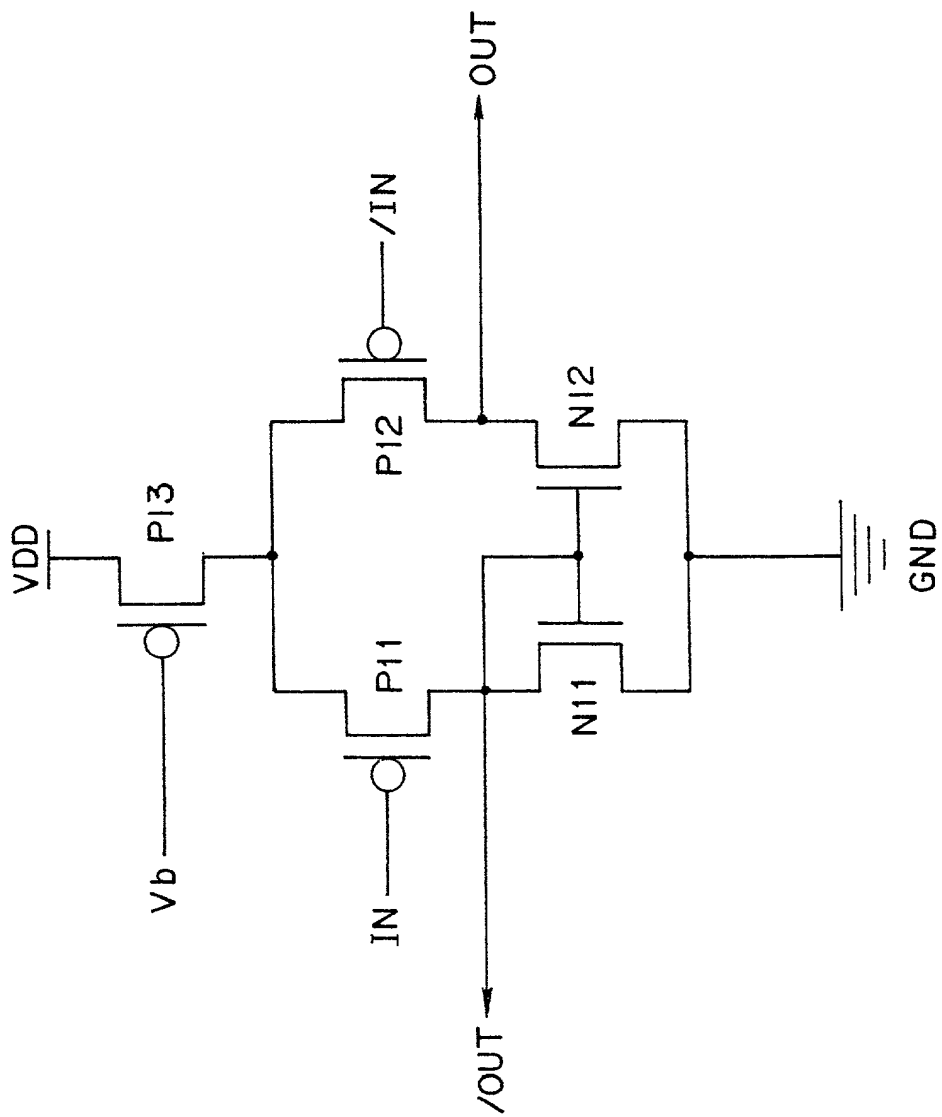


Fig. 26

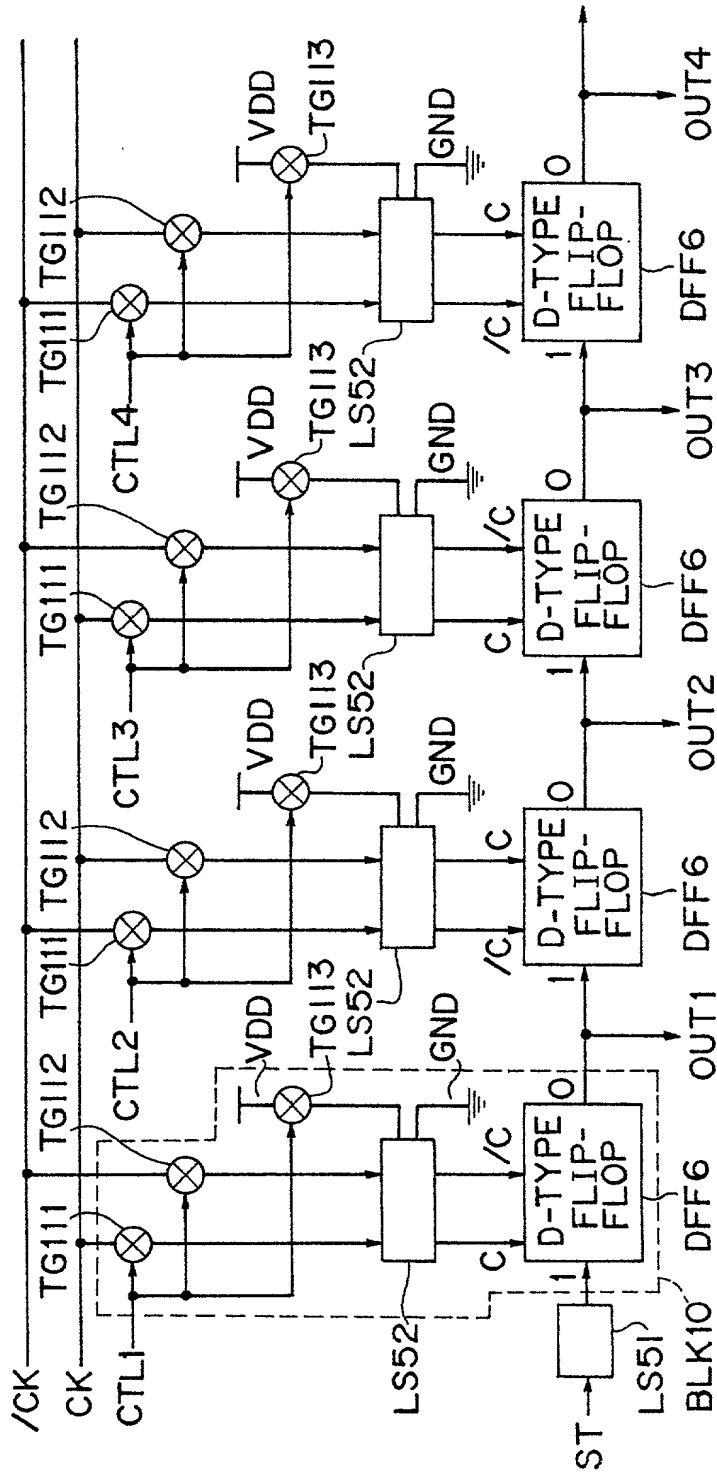


Fig. 27

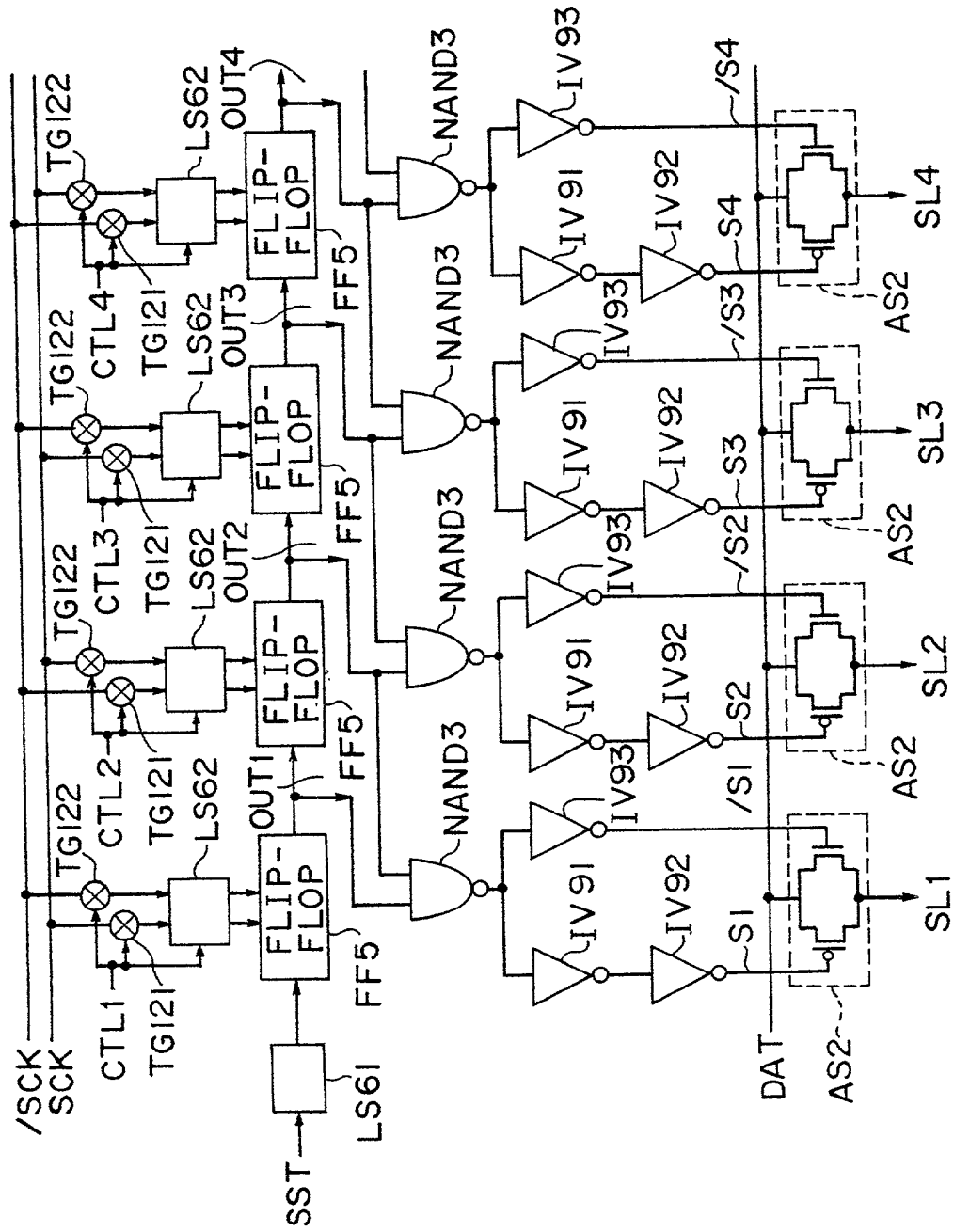
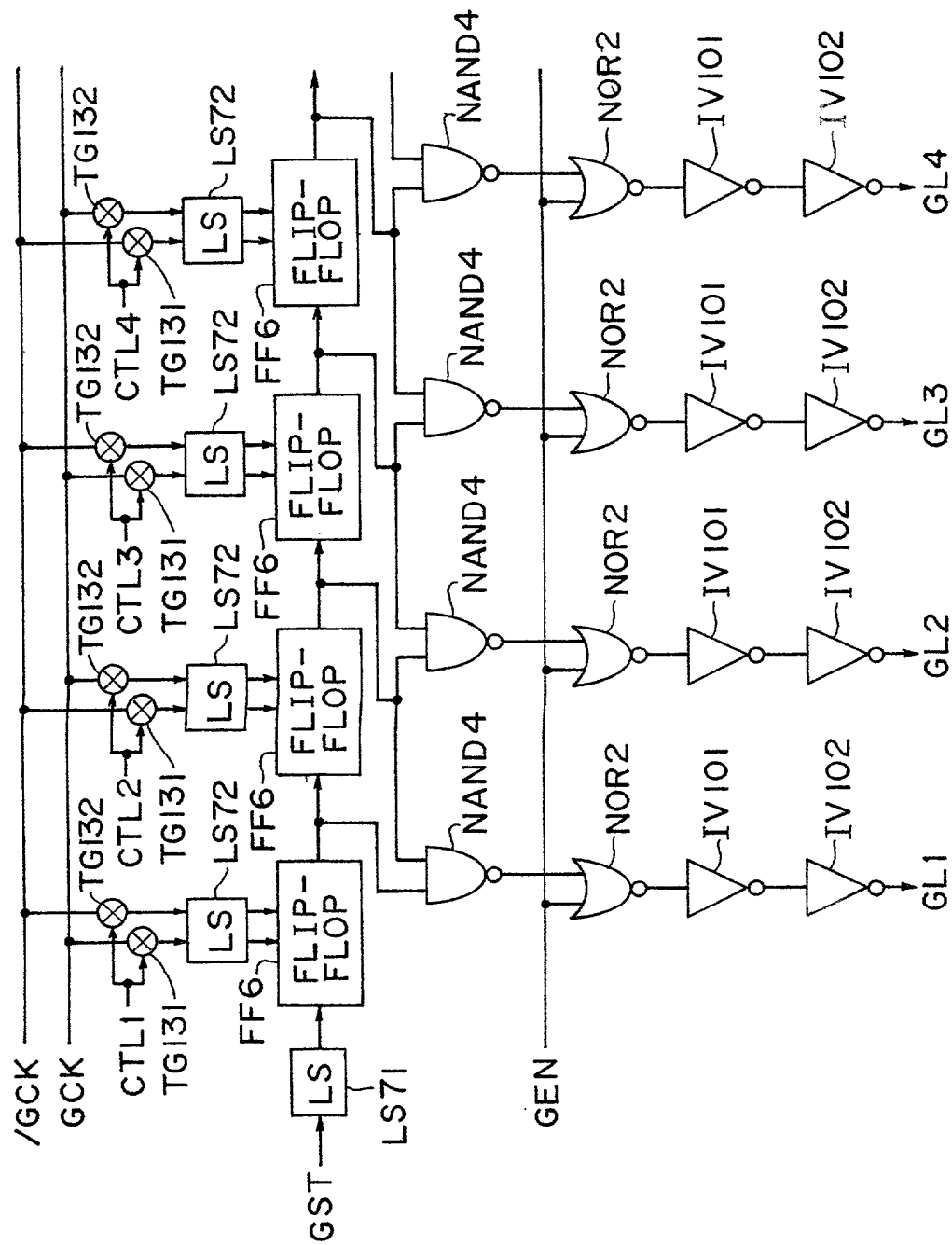
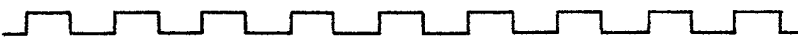


Fig. 28




**Fig.29A** SST 

**Fig.29B** SCK 

**Fig.29C** CTL1 

**Fig.29D** OUT1 


**Fig.29E** CTL2 

**Fig.29F** OUT2 

**Fig.29G** CTL3 

**Fig.29H** OUT3 

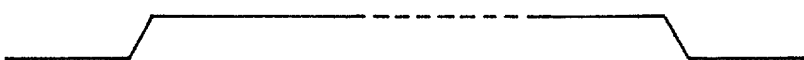
**Fig.29I** CTL4 

**Fig.29J** OUT4 

**Fig.30A** SST 

**Fig.30B** SCK 

**Fig.30C** CTL1 

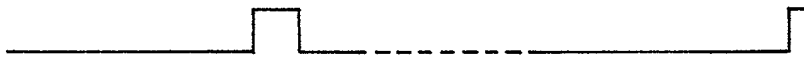
**Fig.30D** OUT1 

**Fig.30E** CTL2 

**Fig.30F** OUT2 

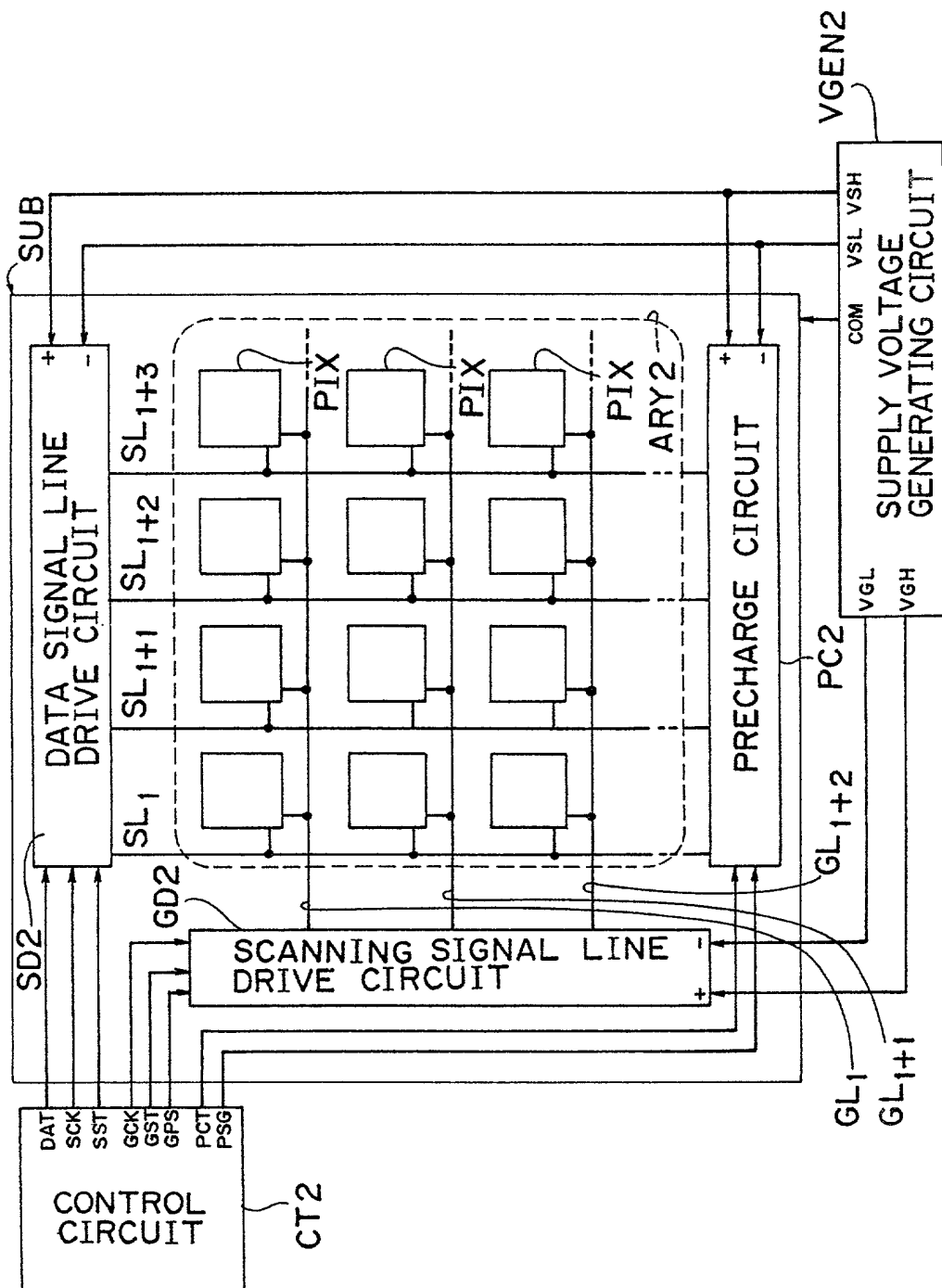
**Fig.30G** CTL3 

**Fig.30H** OUT3 

**Fig.30I** CTL4 

**Fig.30J** OUT4 

Fig. 31



*Fig. 32*

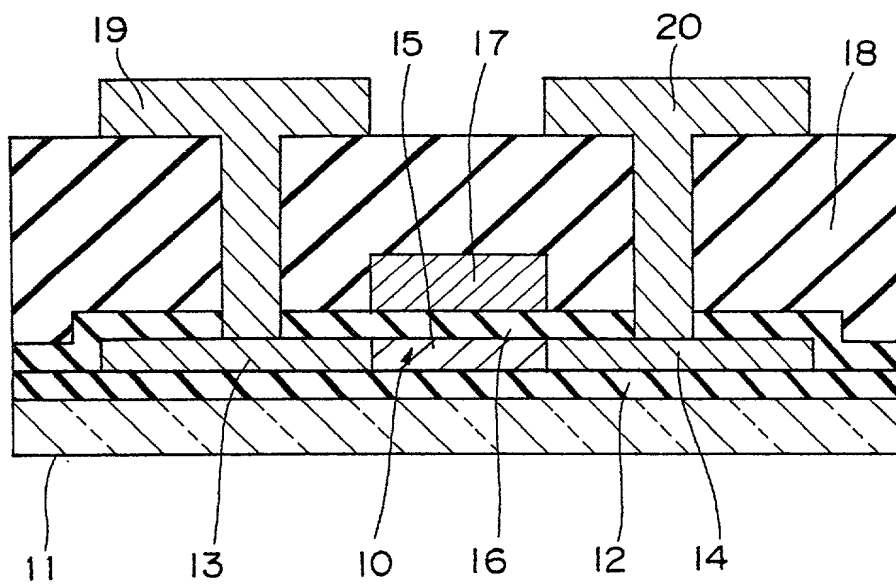




Fig. 33A

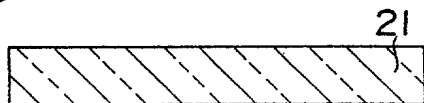


Fig. 33B

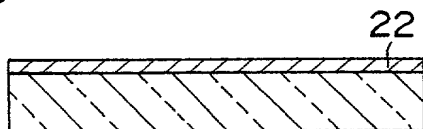


Fig. 33C

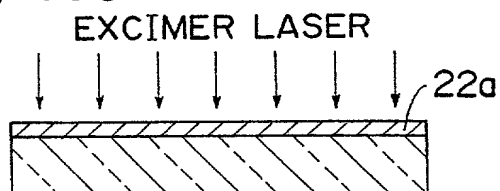


Fig. 33D

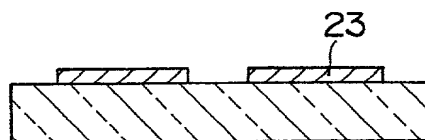


Fig. 33E

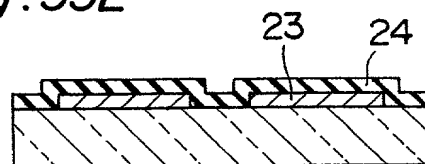


Fig. 33F

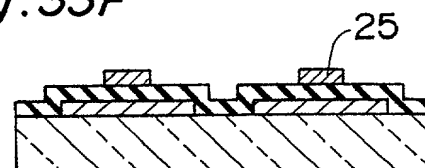


Fig. 33G

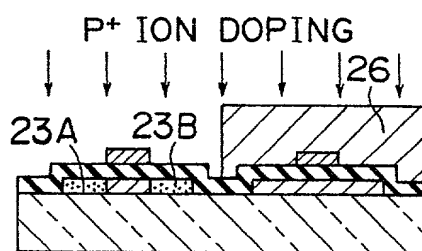


Fig. 33H

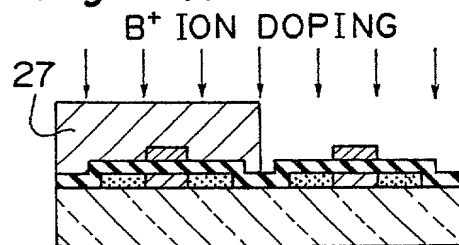


Fig. 33I

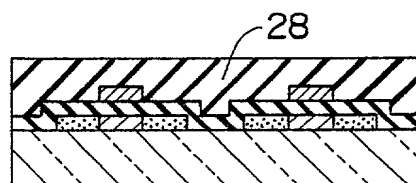


Fig. 33J

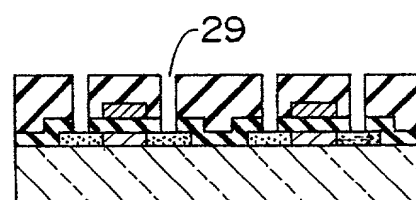


Fig. 33K

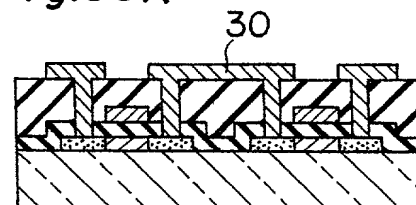
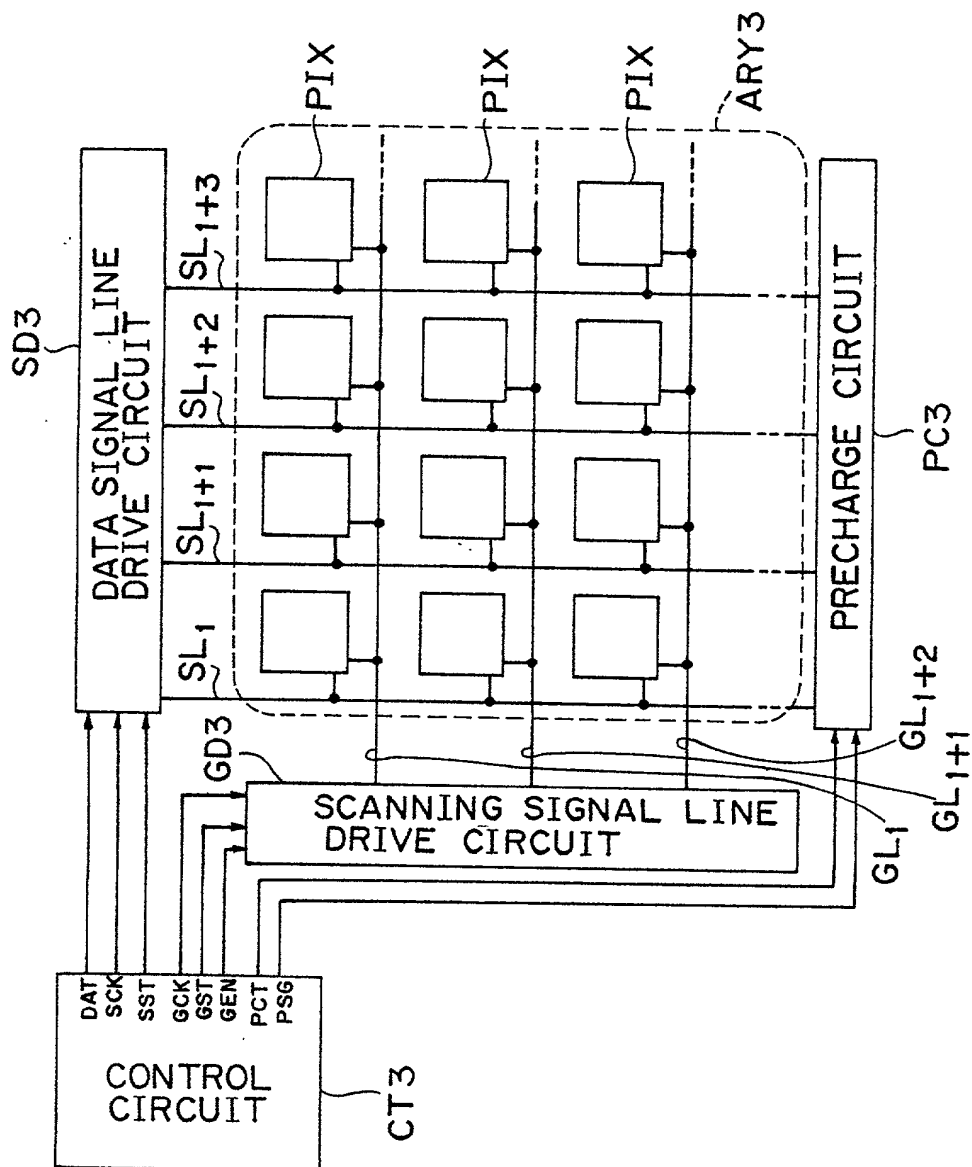


Fig. 34 PRIOR ART



*Fig. 35 PRIOR ART*

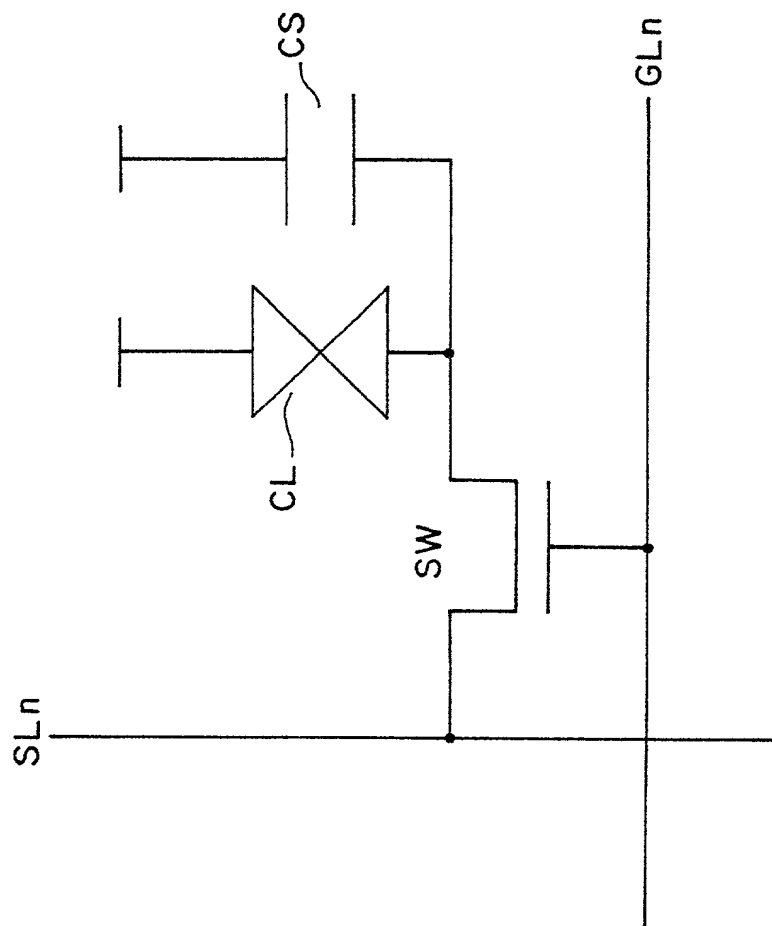




Fig. 37 PRIOR ART

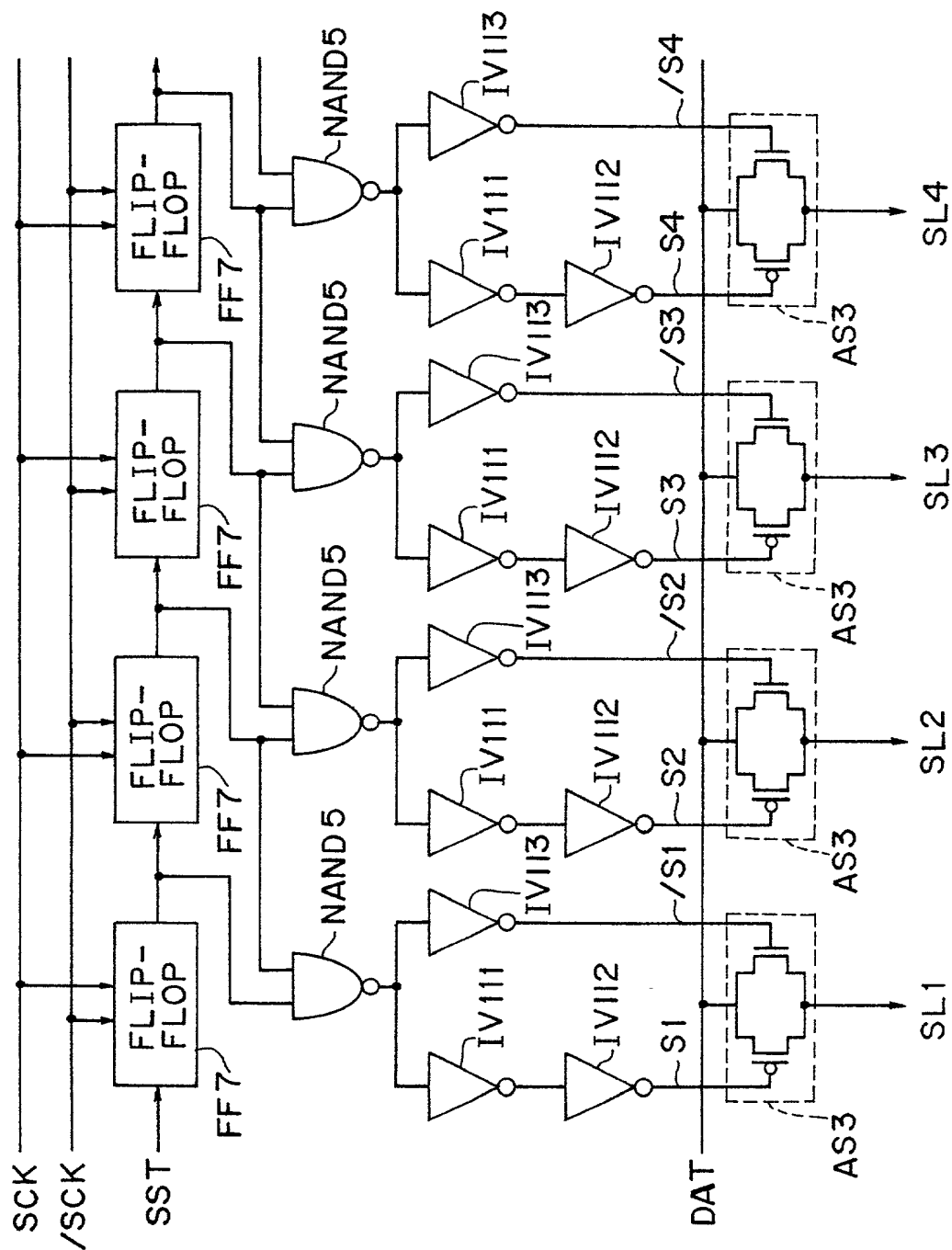


Fig. 38 PRIOR ART

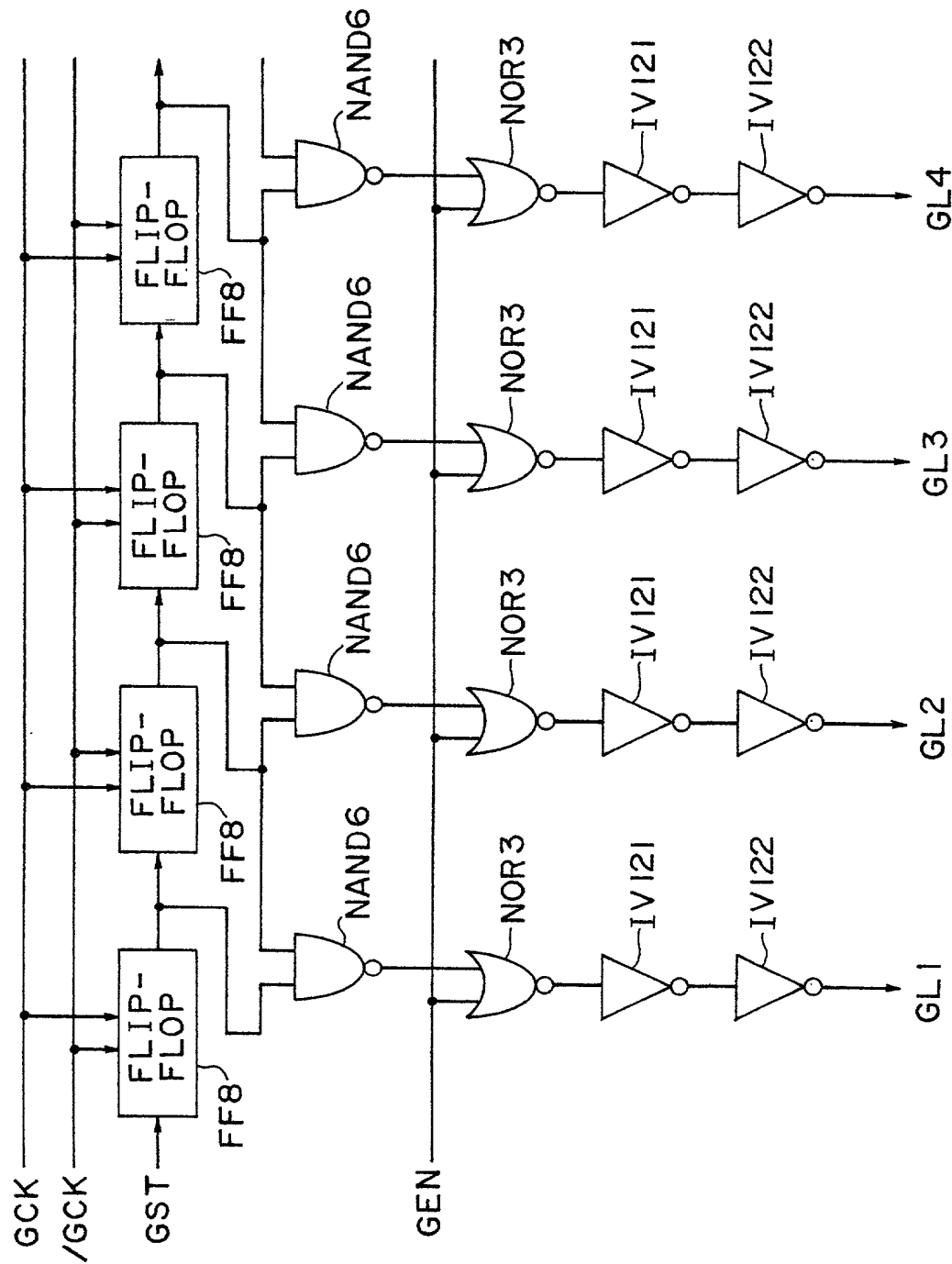


Fig. 39 PRIOR ART

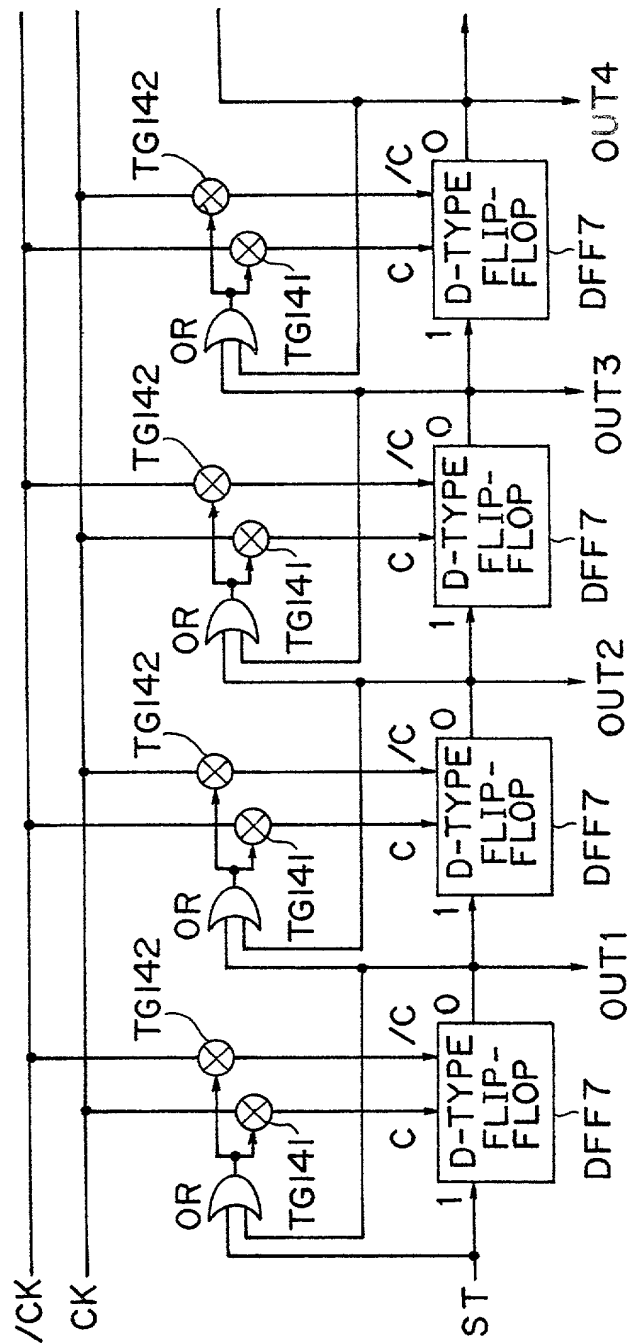


Fig.40A

PRIOR ART

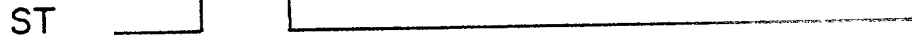


Fig.40B

PRIOR ART



Fig.40C

PRIOR ART

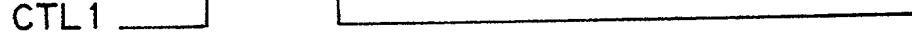


Fig.40D

PRIOR ART



Fig.40E

PRIOR ART



Fig.40F

PRIOR ART

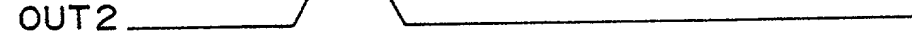


Fig.40G

PRIOR ART



Fig.40H

PRIOR ART



Fig.40I

PRIOR ART

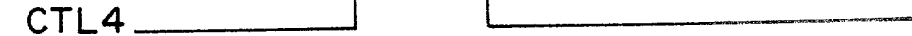


Fig.40J

PRIOR ART

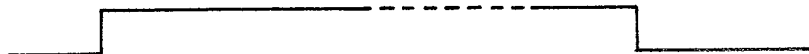




**Fig.41A**

**PRIOR ART**

ST



**Fig.41B**

**PRIOR ART**

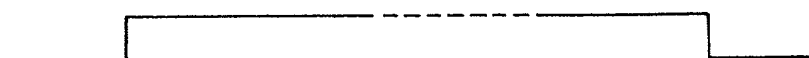
CK



**Fig.41C**

**PRIOR ART**

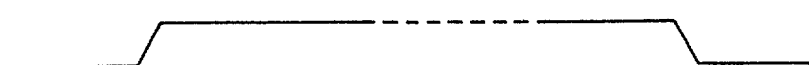
CTL1



**Fig.41D**

**PRIOR ART**

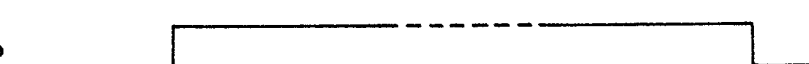
OUT1



**Fig.41E**

**PRIOR ART**

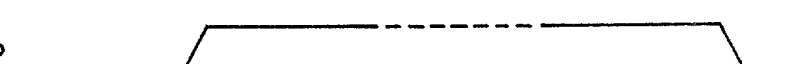
CTL2



**Fig.41F**

**PRIOR ART**

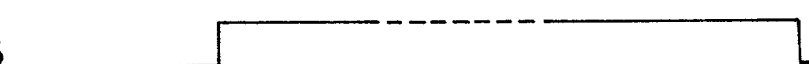
OUT2



**Fig.41G**

**PRIOR ART**

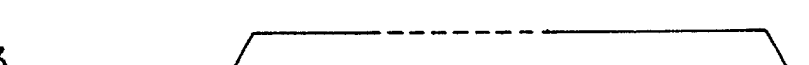
CTL3



**Fig.41H**

**PRIOR ART**

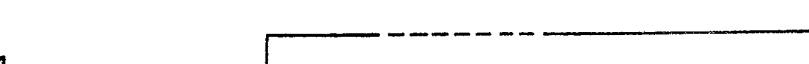
OUT3



**Fig.41I**

**PRIOR ART**

CTL4



**Fig.41J**

**PRIOR ART**

OUT4

